

PATENT SPECIFICATION



Application Date : May 21, 1919. No. 12,772/19.

166,908

Complete Left : Dec. 22, 1919.

Complete Accepted : July 11, 1921.

PROVISIONAL SPECIFICATION.

Bath, with Supply, Shower, Waste Trap and Overflow Fittings.

I, PHILIP CHARLES DAVIES, 148, Bedford Hill, Balham, London, S.W. 12, Architect and Surveyor, do hereby declare the nature of this invention to be as follows:—

A bath made of cast or sheet metal, plain, painted, japanned, enamelled or otherwise treated, or of earthenware, fire-clay porcelain or the like, enamelled salt or lead glazed or otherwise treated, preferably of oval shape, having depth of two feet width of two feet three inches and length of two feet eight inches or of other dimensions approximate thereto or of varied shape of approximate capacity to the foregoing, provided with or without holes cast or formed in bottom or side for waste or overflow. The internal face of bottom of bath may be slightly convex, and finely graded in level round edge with fall to position for waste hole. Four or other number of feet may be attached to bath for raising about two and a half inches from floor. Part or whole of the rim or edge of bath may be square, or with flat or rolled edge, or rebated to provide lodgment for a screen as hereinafter described. The screen may be of light sheet metal, painted enamelled or otherwise treated or of other material shaped round or partly round rim of bath extending from rim to about three feet above, a door or doors may be formed therein or added, to complete enclosure and secure privacy. Supply pipes for water may be attached to the external sides of bath and fixed to screen and may have cocks mounted therein to project through or over sides of bath, and may be continued upward with stop cocks fitted therein to

regulate supply to a shower fixed thereto. The shower may be of cast iron or other metal, made circular or of other shape with a finely perforated rose centre screwed therein. The shower and rose may be treated with rustless process. A waste and trap may be cast in iron or other metal. A lining carrying a grid for waste may be fitted with a metal or rubber plug and formed with male screw extending through bottom of bath engaging a screw in mouth of waste. A combination of waste trap and overflow may be shaped in the form of the letter T. The bottom of the T bent up to form the mouth of the waste and receive the hereinbefore named lining and grid. The two extremities of top arms of the T may be male threaded to receive either a screw cap for use as a clearing eye or a nut with extended bent lining turned upwards to form the water seal of trap. The overflow may be a pipe screwed into the body of trap at junction of waste, bent over at top and shouldered against side of bath with male screw projecting to engage cap of overflow. The cap may be fitted with a grid screwed into same to facilitate cleaning on removal. The grid may have a revolving eye for attaching chain and waste plug. The whole combination forming a closed or open bath with supply pipes cocks and shower with external waste and overflow trapped above floor line discharging in any direction as set and having a full way clearing eye opposite thereto.

Dated this 21st day of May, 1919.

PHILIP CHARLES DAVIES.

[Price 1/-]

COMPLETE SPECIFICATION.

Bath, with Supply, Shower, Waste Trap and Overflow Fittings.

I, PHILIP CHARLES DAVIES, of 148, Bedford Hill, Balham, London, S.W. 12, Architect and Surveyor, do hereby declare the nature of this invention and in what
 5 manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

It has been proposed to provide the body of a spray bath with a roll top which extends along part of the rim or
 10 edge of said body and with a rebate or recess for supporting a screen that extends along the remainder of said rim, and to support said screen by means of uprights
 15 secured to the bath. The bath of the present invention, apart from other features of construction, differs from the above referred to bath by reason of the fact that it is a shower bath in which the
 20 screen is supported by means of the pipes by which water is supplied to the shower.

The improved bath may be made of cast or sheet metal, plain, painted, japanned, enamelled or otherwise treated,
 25 or may be constructed of earthenware, porcelain or the like, enamelled, salt—or lead—glazed or otherwise treated. It is preferably of oval shape, and is made of a depth of two feet, a width of two feet
 30 three inches, and of a length of two feet eight inches, or of other dimensions approximating thereto. The bath, which is supported at a level of two and a half inches or thereabouts from the floor, by
 35 means of four or other suitable number of feet, is provided in its bottom and one of its sides with holes for waste and overflow, and the inner face of the bottom of the bath is preferably slightly convex and
 40 finely graded in level round its edge with a fall to waste hole. Part of the rim or edge of the bath is horizontally disposed or is rolled, while the rest of the rim or edge is provided with a rebate to serve as
 45 a lodgment for a screen, which is made of light sheet metal, painted, enamelled or otherwise treated, and runs round part of the bath and extends upwards to a height of three feet or thereabouts from
 50 the rim or edge of the bath. Supply pipes for water are secured to the outer sides of the bath and to said screen, and are fitted with cocks projecting over the sides of the bath. The supply pipes are continued
 55 upwards and secured to a shower, and are

fitted with stop cocks for regulating the supply of water to said shower. The bath is provided with a combined waste and overflow fitting, which is reversible and is preferably constructed as hereinafter
 60 described.

The invention is illustrated by the accompanying drawings.

Fig. 1 is a perspective view of the improved bath. Fig. 2 is a vertical
 65 section of part of the bath and part of the lower portion of the screen. Figs. 3 and 4 are plans illustrating means which may be employed for securing the front edges of the screen to the water supply
 70 pipes. Fig. 5 is a section and Fig. 6 is an elevation illustrating waste trap and overflow fittings which may be fitted to the bath.

1 is the bath proper, which is made of or approximately of the dimensions
 75 mentioned above, and is preferably of oval shape. 2 are legs by which the bath 1 is supported at a suitable distance above the floor 3. 4 is a rebate formed in the
 80 rear half of the top of the bath 1, which is rolled over at its remaining or front part. 5 are vertically disposed water-supply pipes which are secured to the sides of the bath 1, and after being bent
 85 to a suitable shape at their upper ends are connected to a shower 6. 7 are taps fitted to the pipes 5, for enabling the bath to be filled with water, and 8 are stop valves for controlling the passage of water
 90 to the shower 6. 9 is a screen which extends round the back of the bath and is supported on the rebate 4. The screen, which may be provided with a pair of
 95 doors 10, indicated in chain lines, in Fig. 1, is secured at its front to the water-supply pipes 5, any suitable means being employed for this purpose. For instance, see particularly Fig. 3, blocks 11 formed
 100 with semi-circular grooves fitting one half of the water-supply pipes 5 may be fixed to the screen 9 and be used in conjunction with similar loose blocks or caps 12, the latter being secured to the former by pairs
 105 of screws 13. Or, see Fig. 4, eyes 14 secured to the water-supply pipes 5 and formed with lugs 15 may be used, and the front edges of the screen 9 be secured to these lugs by means of rivets or the like 16.

The improved bath is fitted with waste and overflow fittings. These are preferably constructed in the manner illustrated by Figs. 5 and 6. The waste fitting consists of a casting 17 of approximately T-shape, which is connected to the bottom of the bath by means of a shouldered bush 18. This bush is provided on the lower part of its length with screw-threads 19 to engage with screw-threads 20 formed in one of the branches 17¹ of the casting 17, and is fitted with a plug 21. The other two branches 17² of the casting 17 are arranged in line with one another and are provided on their exteriors with screw-threads. A nut 22 fitted with a shouldered bent pipe 23, forming the trap of the fitting, is screwed on to one of the branches 17² and a cap 24, which can be readily removed when the fitting requires to be cleaned, is screwed on to the other of said branches 17². The screw-threads on the exteriors of the branches 17² and the screw-threads in the nut 22 and the cap 24 are similar in every respect in order that the fitting may be reversible, that is to say right- or left-handed. The overflow pipe 25 of the fitting is screwed into a socket 26 formed in the casting 17 in a position intermediate between the branches 17² of said fitting, and is secured at its upper end to the bath by means of a shouldered bush 27. The bush 27 is provided with a grid 28 which is preferably screwed into same so that it may be readily removed. The grid 28 may be fitted with a revolvable eye 29 and the latter be connected by a chain 30 to the plug 21.

The combination of parts described above forms an open or closed bath which is fitted with supply pipes, cocks, and shower, and with external waste and over-

flow trapped above floor line and provided with a full-way clearing eye. 45

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:— 50

1. A shower bath consisting of the combination of a body or bath proper, which is made of the shapes and of the dimensions specified herein and is provided with a rim that is horizontally disposed or is rolled at its front and along part of its sides but is formed at its back and at the remaining parts of the sides with a rebate, of a screen fitting said rebate, of water supply pipes secured to the outer sides of said body or bath proper and to said screen, of a shower connected to said supply pipes, and of stop cocks fitted to said supply pipes, substantially as described. 55 60 65

2. A bath according to Claim 1 provided with a combined waste trap and overflow fitting constructed substantially as described herein.

3. The combination and arrangement of parts forming the improved shower bath described herein and illustrated by the accompanying drawings. 70

Dated this 22nd day of December, 1919.

C. F. ENNIS, 75
Registered Patent Agent,
Jessel Chambers, 88, Chancery Lane,
London, W.C. 2,
For the Applicant.

Reference has been directed, in pursuance of Section 7, Sub-section 4, of the Patents and Designs Acts, 1907 and 1919, to Specifications No. 3352 of 1901, and No. 9821 of 1906. 80

[This Drawing is a reproduction of the Original on a reduced scale.]

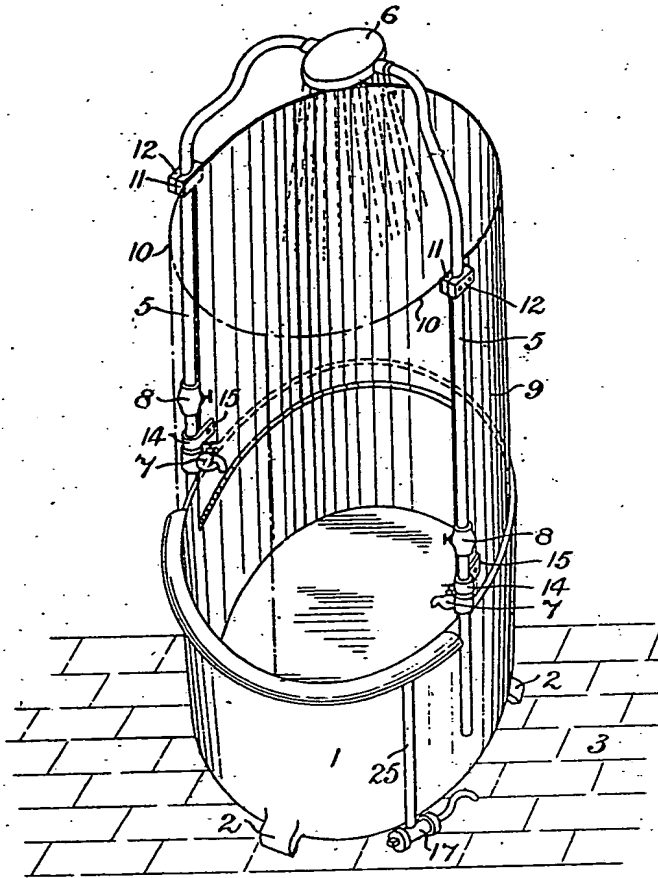


Fig. 1.

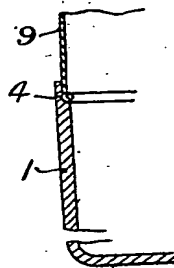


Fig. 2.

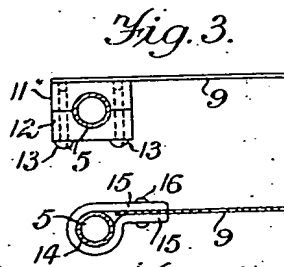


Fig. 3.

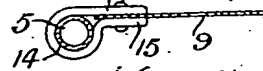
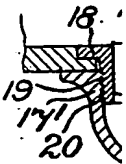


Fig. 4.



HEET 1

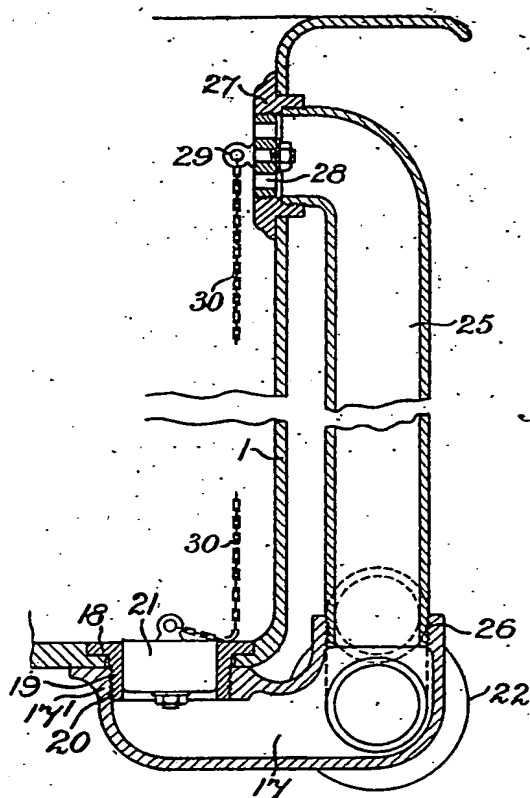


Fig. 5.

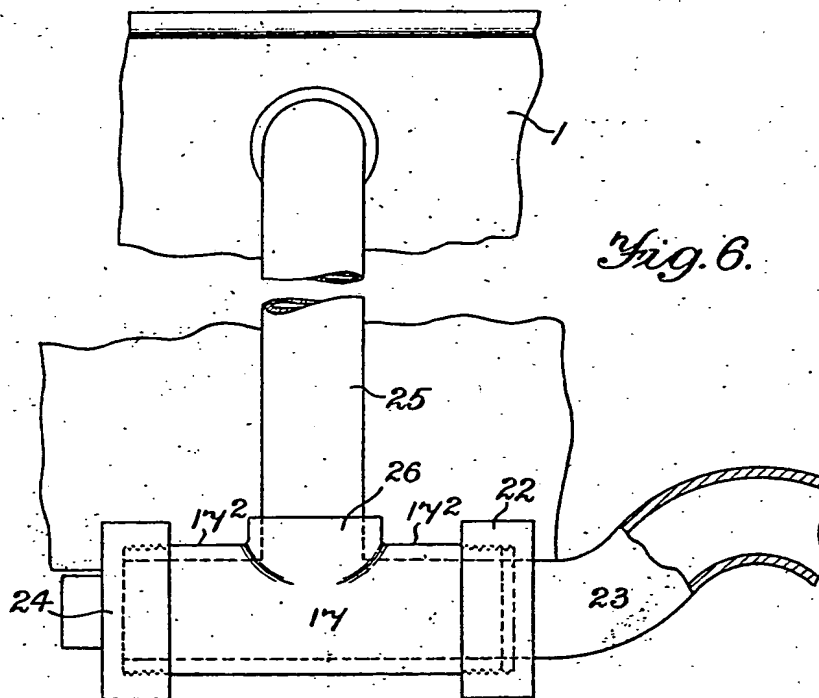


Fig. 6.

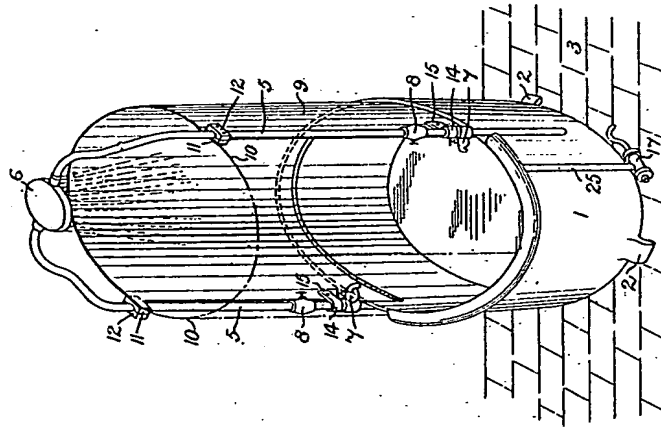


Fig. 1.

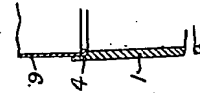


Fig. 2.

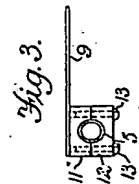


Fig. 3.

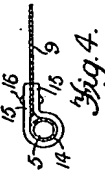


Fig. 4.

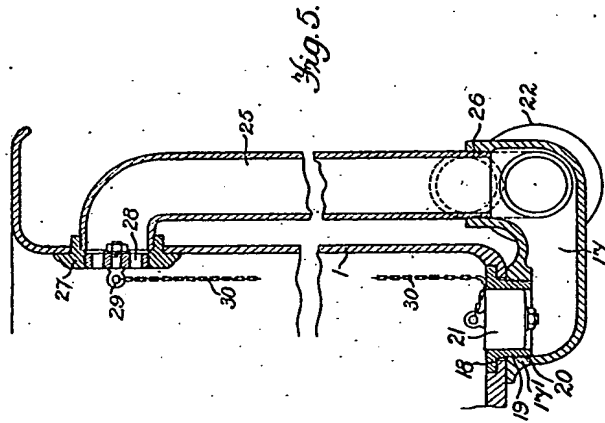


Fig. 5.

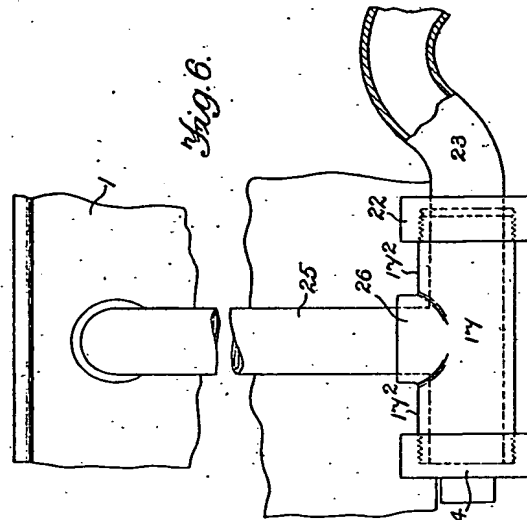


Fig. 6.

[This Drawing is a reproduction of the Original on a reduced scale]